AUS920030437US1
Day, et al.
Method, System and Program Product for
Real-Time Transmission in a Messaging System

1/7

Fig. 1

AUS920030437US1
Day, et al.
Method, System and Program Product for
Real-Time Transmission in a Messaging System

2/7

Fig. 2

AUS920030437US1
Day, et al.
Method, System and Program Product for
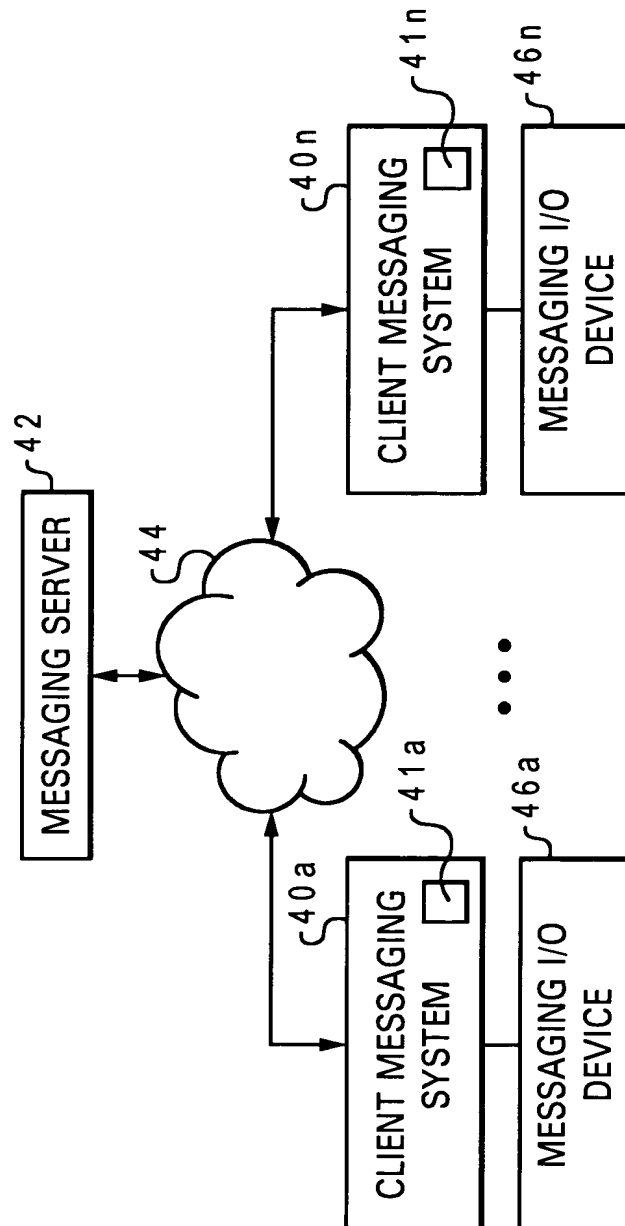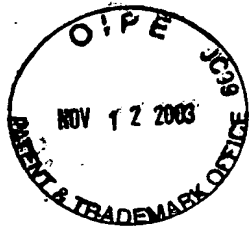Real-Time Transmission in a Messaging System

3/7

Instant Message User Preferences

Display and Transmission Settings

IM message lines to display in window   10 ▽

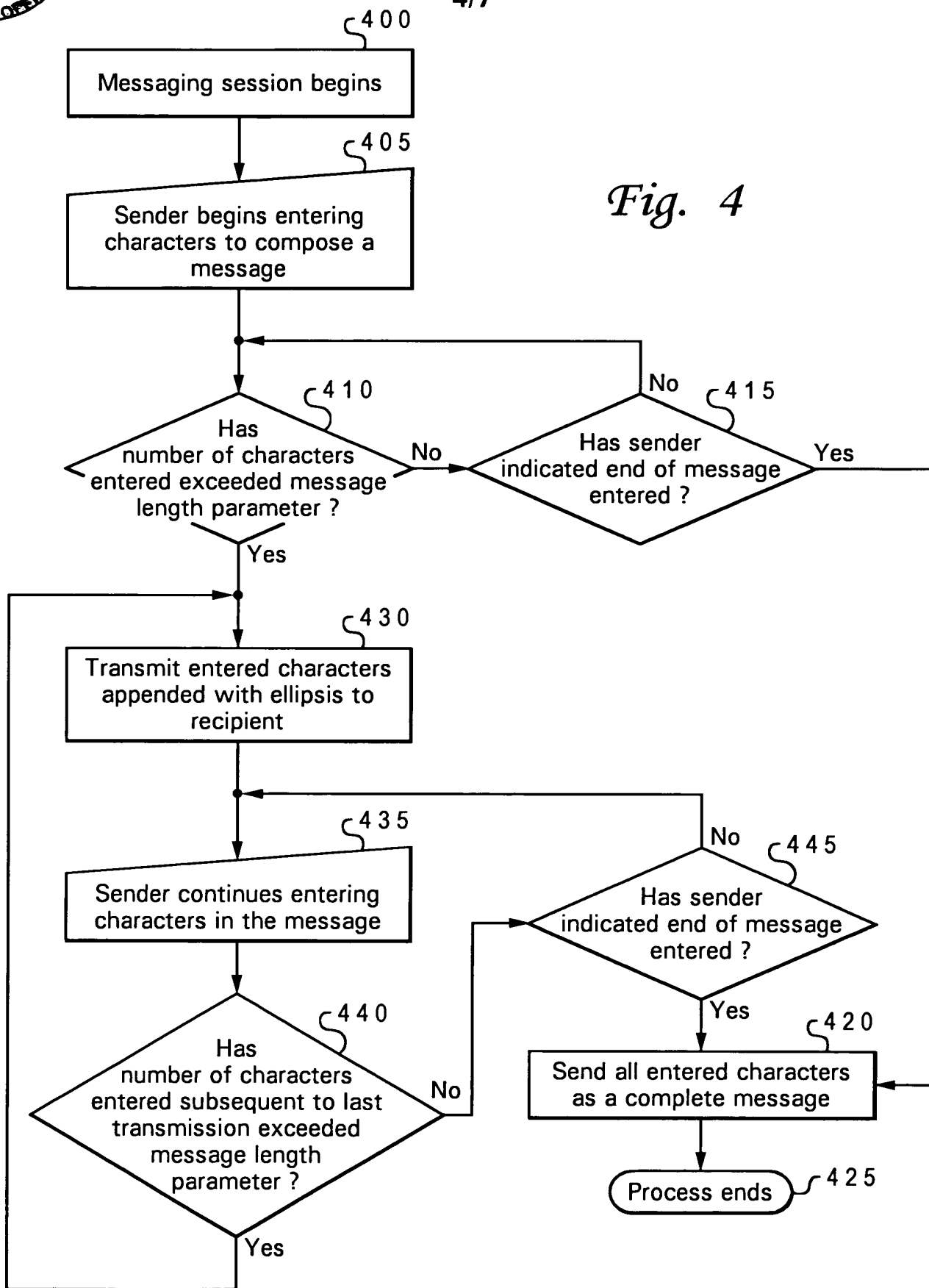Auto-transmit text characters limit   40 △▽

Continuation character   ellipsis . . .

Participant status indicator   text msg

☑ Spell checking on

☑ Dynamic status indicator

Apply   Cancel

Fig. 3

AUS920030437US1
Day, et al.
Method, System and Program Product for
Real-Time Transmission in a Messaging System

4/7

Fig. 4

```
                           ┌─────────────400
                   ┌──────────────────────────┐
                   │  Messaging session begins │
                   └──────────────────────────┘
                                 │
                           ┌─────────────405
                   ┌──────────────────────────┐
                   │   Sender begins entering  │
                   │   characters to compose a │
                   │          message          │
                   └──────────────────────────┘
                                 │
                                 ▼
              ┌────────410                      ┌─── No ───┐
         ╱─────────────╲                        │  ┌─────────────415
        ╱      Has       ╲            No        │ ╱─────────────╲
       ╱ number of characters╲────────────────▶│╱   Has sender    ╲── Yes ──┐
       ╲ entered exceeded message              ╲ indicated end of message╱    │
        ╲ length parameter ? ╱                   ╲    entered ?   ╱          │
         ╲─────────────╱                          ╲─────────────╱           │
                 │                                                           │
                Yes                                                          │
                 ▼                                                           │
           ┌────────430                                                      │
   ┌──────────────────────────┐                                             │
   │  Transmit entered characters│                                          │
   │  appended with ellipsis to │                                          │
   │         recipient          │                                          │
   └──────────────────────────┘                                           │
                 │                                                          │
                 ▼                  ┌─── No ───┐                            │
           ┌────────435             │  ┌─────────────445                    │
   ┌──────────────────────────┐     │ ╱─────────────╲                      │
   │  Sender continues entering│     │╱   Has sender    ╲                   │
   │  characters in the message│◀────╱ indicated end of message╲           │
   └──────────────────────────┘     ╲    entered ?   ╱                     │
                 │                    ╲─────────────╱                       │
                 ▼                          │                               │
           ┌────────440                    Yes                             │
        ╱─────────────╲                     ▼         ┌─────420            │
       ╱      Has       ╲            No  ┌──────────────────────────┐      │
      ╱ number of characters╲──────────▶│  Send all entered characters│◀───┘
      ╲ entered subsequent to last      │   as a complete message    │
       ╲ transmission exceeded          └──────────────────────────┘
        ╲ message length  ╱                         │
         ╲ parameter ?  ╱                           ▼
          ╲───────────╱                      ╭─────────────╮──425
                │                            │ Process ends │
               Yes                           ╰─────────────╯
```

AUS920030437US1
Day, et al.
Method, System and Program Product for
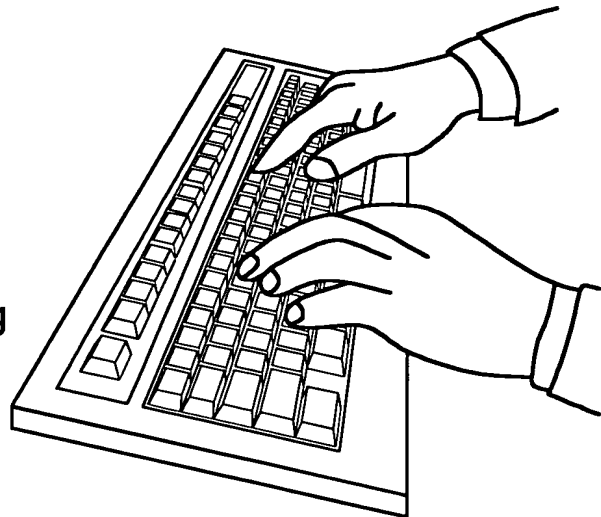Real-Time Transmission in a Messaging System

5/7

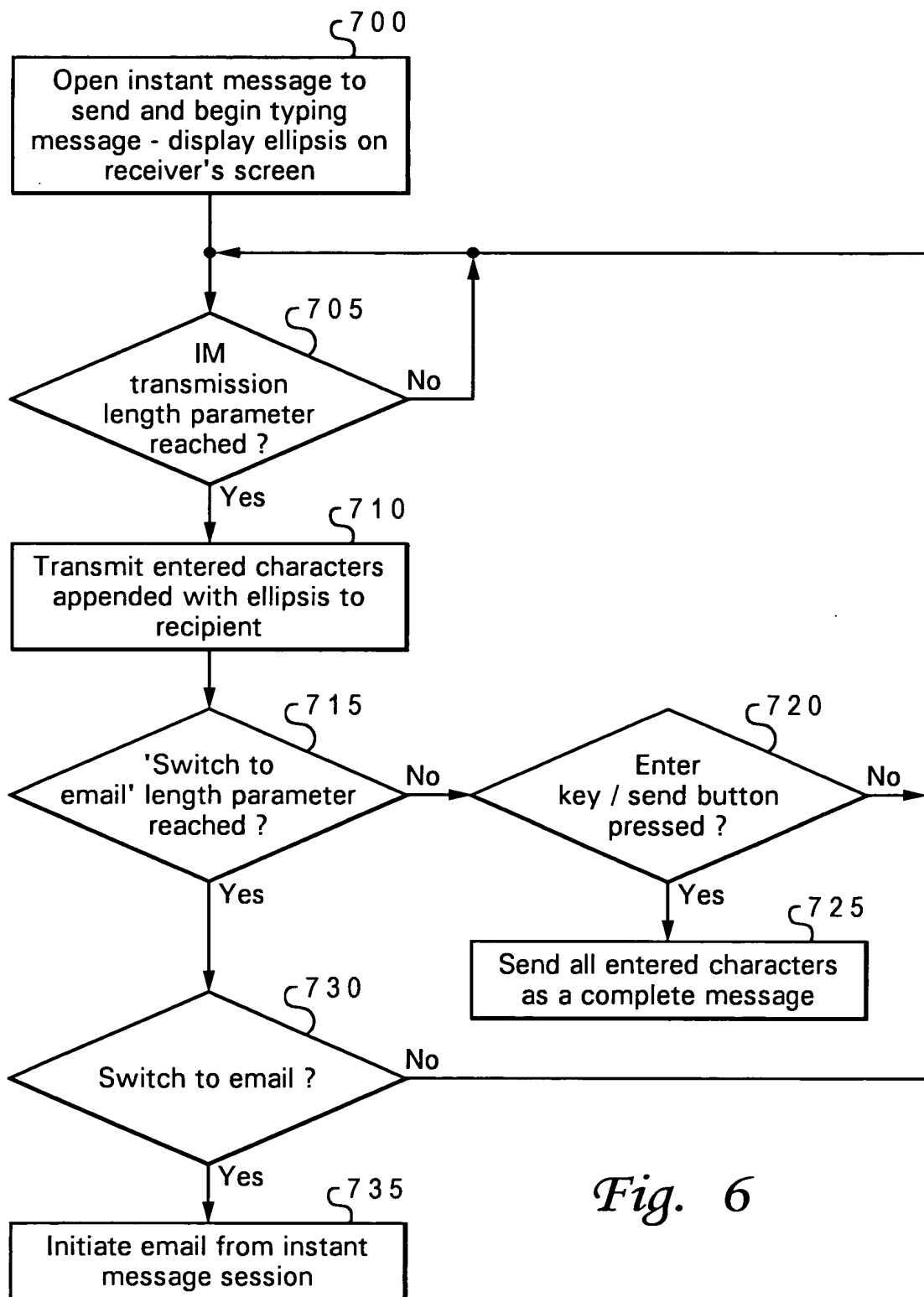## Instant Message Session Window

Bob: Hello, Larry, got a minute?

Larry: Sure, what's up?

Bob: I have to recreate those charts we created a few months back when we were working on . . .

Status: Bob is typing

Fig. 5

AUS920030437US1
Day, et al.
Method, System and Program Product for
Real-Time Transmission in a Messaging System

6/7

700

Open instant message to
send and begin typing
message - display ellipsis on
receiver's screen

705

IM
transmission
length parameter
reached ? — No

Yes

710

Transmit entered characters
appended with ellipsis to
recipient

715

'Switch to
email' length parameter
reached ? — No

720

Enter
key / send button
pressed ? — No

Yes

725

Send all entered characters
as a complete message

Yes

730

Switch to email ? — No

Yes

735

Initiate email from instant
message session

Fig. 6

AUS920030437US1
Day, et al.
Method, System and Program Product for
Real-Time Transmission in a Messaging System

7/7

```
                                        ┌ 8 0 0
            ┌─────────────────────────────┐
            │  Initiate email from instant │
            │      message session         │
            └─────────────────────────────┘
                          │
                          │              ┌ 8 0 5
                          ▼
            ┌─────────────────────────────┐
            │    Send notification to IM   │
            │  recipient of auto-switch to │
            │             email            │
            └─────────────────────────────┘
                          │
                          │              ┌ 8 1 0
                          ▼
            ┌─────────────────────────────┐
            │    Create new email / open   │
            │ email application, if necessary│
            └─────────────────────────────┘
                          │
                          │              ┌ 8 1 5
                          ▼
            ┌─────────────────────────────┐
            │       Transfer IM session    │
            │   information data into email│
            └─────────────────────────────┘
                          │
                          │              ┌ 8 2 0
                          ▼
            ┌─────────────────────────────┐
            │        Close IM session      │
            └─────────────────────────────┘
```

Fig. 7